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First Named Inventor

Attorney Docket Number

Group Art Unit

Examiner Name

THEKKATH

Khatri, Anil

2193 7191

MTEC-005/00US

STATEMENT BY APPLICANT

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U.S. PATENT DOCUMENTS					
-		U.S. Patent Document			Date of Publication of Cited
Examiner Initials*	Cite No.1	Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Document MM-DD-YYYY
V	P1	5,084,814		VAGLICA, et al.	01-28-1992
u	P2	6,032,268		SWOBODA, et al.	02-29-2000
N	P3	6,687,865		DERVISOGLU, et al.	02-23-2004
	P4	6,754,804		HUDEPOHL et al.	06-22-2004
. 2	P5	09/751,747		HUDEPOHL et al.	12-29-2000
V	P6	09/751,748		HUDEPOHL et al.	12-29-2000
					
				 	
			 		
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	FOREIGN PATENT DOCUMENTS							
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Sheet 1 of 1

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Application Number	09/844,672	
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First Named Inventor	THEKKATH	
Group Art Unit	2193 2191	
Examiner Name	Khatri, Anil	
Attorney Docket Number	MTEC-005/00US	

		OTHER - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.!	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
W	DI.	F. Chow et al., "Engineering a RISC Compiler System," IEEE COMP-CON, March 1986, pp. 132-137.	
9	D2.	M.D. Smith, "Tracing with Pixie," Technical Report CSL-TR-91-497, Stanford University, Computer Systems Laboratory, November 1991, pp. 1-29.	
N	D3.	ATOM Reference Manual, Digital Equipment Corporation, Massachusetts, December 1993, pp. 1-32.	
u	D4.	A. Srivastaba et al., "ATOM: A System for Building Customized Program Analysis Tools," WRL, Research Report 94/2, Digital Equipment Corporation, Massachusetts, March 1994, pp. 1-23.	
V	D5.	ATOM User Manual, Digital Equipment Corporation, March 1994, pp. `1-28.	
4	D6.	B. Cmelik et al., "Shade: A Fast Instruction-Set Simulator for Execution Profiling," Proceedings of the 1994 ACM SIGMETRICS Conference, SIGMETRICS, California, May 1994, pp. 128-137.	
р	D7.	MIPS Technologies; "MIPS64 5KTM Processor Core Integrator's Guide;" [Document No. MD00056]; MIPS Technologies, Inc.; Rev. 1.2; August 11, 2000; pp. I-II, 1-82.	
4	D8.	MIPS Technologies; "MIPS64 TM 5K TM Processor Core Family Integrator's Guide;" [Document No. MD00106]; ©1999-2001 MIPS Technologies. Inc.; Rev. 02.00; January 15, 2001; pp. I-VIII, 1-75.	
*	/D9.	MIPS Technologies; "Core Processor Interface Specification;" [Document No. MD00068]; MIPS Technologies, Inc.; Rev. 1.11; March 30, 2001; pp. 1-26.	
			
			

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	FOREIGN PATENT DOCUMENTS						
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		OTHER – NON PATENT LITERATURE DOCUMENTS	
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	DI	Susan J. EGGERS, et al., "Techniques for Efficient Inline Tracing on a Shared-Memory Multiprocessor," University of Washington, 1990 ACM, pp. 37-47.	
d	D2	Richard A. UHLIG, et al., "Trace-Driven Memory Simulation: A Survey," Intel Microcomputer Research Lab; University of Michigan, ACM Computing Surveys, Vol. 29, No. 2, June 1997, pp. 128-170.	
V	D3	Eric ROTENBERG, et al., "Trace Processors," University of Wisconsin, 1997 IEEE Service Center, 12 pp.	
F.	D4	E.N. ELNOZAHY, "Address Trace Compression Through Loop Detection and Reduction," ©1999 ACM 1-58113-083, pp. 214, 215.	·
14	D5 '	Darren JONES, "Opal Coprocessor Interface," MIP Propietary/Confidential, June 4, 1999, pp. 1-18.	
1	D6	Darren JONES, MIPSS64TM 5KCTM Processor Cores User's Manual, Rev. 1.0, July 4, 1999, pp. 6-1 to 6-26.	
V 4	D7	MIPSS64™ 5KC™ Processor Cores User's Manual, Rev. 1.0.1., 1999, pp. 247-276.	

Examiner Signature	· CN	Date Considered	21/04

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Application Number	09/844,672			
Filing Date	April 30, 2001			
First Named Inventor	THEKKATH			
Group Art Unit	2122 2193			
Examiner Name	Gross Kennetha. IChatri			
Attorney Docket Number	MTEC-005/00US			

				ATENT DOCUMENTS	
		U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cite
Examiner Initials*	Cite No.	Number	Kind Code ² (if known)		Document MM-DD-YYY
A	PI	3,473,154		Couleur et al.	10/14/1969
	P2	3,585,599		Hit	06/15/1971
	P3	3,681,534		Burian et al.	08/01/1972
	P4	3,702,989		Provenzano, Jr. et al.	11/14/1972
	P5	3,704,363		Sahmassy et al.	11/28/1972
	P6	3,707,725		Dellheim	12/26/1972
\Box	P7	3,771,131		Ling	11/06/1973
	P8	3,794,831		Frankeny et al.	02/26/1974
\neg	P9	3,805,038		Special et al.	04/16/1974
	P10	3,906,454		Martin	09/16/1975
	P11	4,205,370		Hirtle	05/27/1980
	P12	4,293,925		Hang et al.	10/06/1981
	P13	4,423,508		Shiozaki et al.	12/27/1983
11	P14	4,462,077		Yark	07/24/1984
NY _	P15	4,503,495		Boudreau	03/05/1985
44	P16	4,511,960		Boudreau	04/16/1985
	P17	4,539,682		Herman et al.	09/03/1985
	P18	4,553,223		Bouhelier et al.	11/12/1985
	P19	4,554,661		Barmister	11/19/1985
	P20	4,590,550		Eilert et al.	05/20/1986
	P21	4,742,466		Ochiai et al.	05/03/1988
	P22	4,783,762		inoue et al.	11/08/1988
	P23	4,835,675		Kawai	05/30/1989
1	P24	5,058,114		Kuboki et al.	10/15/1991
	P25	5,150,470		Hicks et a).	09/22/1992
7	P26	5,274,811		Borg et al.	12/28/1993
-	P27-	-5,289,587		-Razban	-02/22/1994
	P28	5,404,470		Miyake	04/04/1995
	P29	5,471,594		Stone	11/28/1995
	P30	5,533,193		Roscoe	07/02/1996
	P31	5,581,691		Hsu et al.	12/03/1996
	P32	5,621,886		Alpert et al.	04/15/1997
	P33	5,689,636		Kieber et al.	11/18/1997
T	P34	5,689,694		Funye	11/18/1997
	P35	5,715,435		Ikei	02/03/1998
	P36	5,751,942		Christensen et al.	05/12/1998
	P37	5,812,868		Moyer et al.	09/22/1998
	P38	5,832,515		Ledain et al.	11/03/1998
	P39	5,848,264		Baird et al.	12/08/1998
	P40	5,878,208		Levine et al.	03/02/1999
	P41	5,946,486		Pekowski	08/31/1999
	P42	6,106,573		Mahalingaiah et al.	08/22/2000
ON	P43	6,256,777		Ackerman	07/03/2001
· CV	P44	6,282,701		Wygodny et al.	08/28/2001

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Unique citation designation number.
 See attached Kinds of U.S. Patent Documents.

	P45	6,314,530	Mann	11/06/2001
A\	P46	6,338,159	Alexander	01/08/2002
11	P47	6,353,924	Ayers et al.	03/05/2002
	P48	6,457,144	Eberhard	09/24/2002
	P49	6,467,083	Yamashita	10/15/2002
1	P50	6,487,715	Chamdani et al.	11/26/2002
7	P51	6,530,076	Ryan et al.	03/04/2003
	P52	6,658,649	Bates et al.	12/02/2003
	P53	6,684,348	Edwards et al.	01/27/2004
17	P54	2002/0046393	Leino et al.	04/18/2002
	P55	2002/0147965	Swaine et al.	10/10/2002

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1		Foreign Patent Doc	ument	Name of Processor & April 2000 of Cited	Date of Publication	
100813-	NO.	Office'	Number ²	Kind Code ¹ (if known)	Name of Patentee or Applicant of Cited Document	of Cited Document MM-DD-YYYY	14
107	FI	GB	2 329 048		ARM Limited	10/03/1999	
-	F2	GB	2 329 049		ARM Limited	10/03/1999	

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initials*	No.1	magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country	
	Cl	MIPS64 SKc TM Processor Care Datasheet, Revision 1.7.4, pp1-40, December 14, 1999	
V			
V	CZ	MIPS64 5Ke TM Processor Core Datasheet, Revision 1.7.5, pp1-40, August 11, 2000	
V	СЗ	MIPS64 5Ke TM Processor Core Datasheet, Revision 2.0, pp1-44, August 28, 2000	-
V	C4	MIPS64 TM 5K/I TM Processor Core Datashoet, Revision 00.11, pp1-44, March 30, 2001	
7	CS	MIPS64 5Ke TM Processor Core Software User's Manual, Revision 2.2, ppl-580, August 11, 2000	<u>·</u>
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	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS						
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V	1	Embedded Trace Macrocell Specification, Rev. 0/0z, ARM IHI 0014C, ARM Ltd. (1999)					

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